## **Amendment**

## Amendment to the Claims

1. (withdrawn) A bipolar transistor (BJT) with reduced base-collector capacitance comprising

an extrinsic base, and

a lateral trench beneath the extrinsic base.

- 2. (withdrawn) A BJT of claim 1, wherein the trench is filled with air.
- 3. (withdrawn) A BJT of claim 1, wherein the trench is filled with an insulator.
- 4. (withdrawn) A BJT of claim 3, wherein the insulator is a high step coverable insulating material.
- 5. (withdrawn) A BJT of claim 4 wherein the insulator is PETEOS.
- 6. (withdrawn) A BJT of claim 1, wherein the trench has a <110> orientation.
- 7. (withdrawn) A BJT of claim 6, wherein the trench is formed in a <100> silicon wafer.
- 8. A method of forming a laterally extending trench in a semiconductor material underneath an extrinsic base of a BJT, comprising

choosing a predetermined crystal orientation,

etching a vertically extending STI region next to the extrinsic base,

and

using an anisotropic etchant to etch the laterally extending trench to extend laterally from the STI.

- 9. A method of claim 8, wherein choosing the crystal orientation includes choosing a wafer with a <100> orientation.
- 10. A method of claim 8, wherein the choosing of the crystal orientation includes choosing a lateral trench direction that is in the <110> direction.
- 11. A method of claim 10, wherein the semiconductor material is silicon.
- 12. A method of claim 11, wherein the etchant is a wet anisotropic silicon etchant.
- 13. A method of claim 12, wherein the etchant includes KOH.

	e 3
--	-----

- 14. A method of claim 13, wherein the etchant further includes alcohol and water.
- 15. A method of claim 12, wherein the etchant includes TMAH.